

AF

FW 1648

PATENT ATTORNEY DOCKET NO. 50111/002002

Certificate of Mailing: Date of Deposit: April 8, 2005

I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jeremy Waterman

Printed name of person mailing correspondence

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Neil R. Cashman et al.

Art Unit:

1648

Serial No.:

09/602,775

Examiner:

Ulrike Winkler

Filed:

June 23, 2000

Customer No.:

21559

Title:

AN EPITOPE SELECTIVE FOR PATHOGENIC PRION PROTEIN

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO-1449, copies of which are enclosed.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

Pursuant to 37 C.F.R. § 1.97(b)(4), this statement is being filed before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114.

If there are any other charges or any credits, please apply them to Deposit Account

No. 03-2095.

Respectfully submitted,

Date: 8 April 2005

James D. DeCamp, Ph.D.

Reg. No. 43,580

Clark & Elbing LLP 101 Federal Street Boston, MA 02110

Telephone: 617-428-0200 Facsimile: 617-428-7045

SUBSTITUTE FORM PTO-1449
(MODIFIED)
CONTROL OF THE PROPERTY OF

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

FORMATION DISCLOSURE STATEMENT BY APPLICANT Use several sheets if necessary) Attorney Docket No.

50111/002002

Serial No.

09/602,775

Applicant

Neil R. Cashman et al.

Filing Date

June 23, 2000

Group

1648

IDS Filed

April 8, 2005

	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Bendheim et al., "Antibodies to a Scrapie Prion Protein," Nature 310:418-421 (1984).
	Cheng et al., "Identification and Cloning of ELF-1, a Developmentally Expressed Ligand for the Mek4 and Sek Receptor Tyrosine Kinases," Cell 79:157-168 (1994).
	Demart et al., "New Insight into Abnormal Prion Protein Using Monoclonal Antibodies," <i>Biochem. Biophys. Res. Commun.</i> 265:652-657 (1999).
	Dodelet et al., "Construction and Use of a Prion Protein-Alkaline Phosphatase Fusion Protein for Prion Ligand Detection," Cold Spring Harbor Laboratory, 61 st Symposium:Function & Dysfunction in the Nervous System, May 29, (1996).
	Fields et al., "The Two-hybrid System: an Assay for Protein-Protein Interactions," <i>Trends Genet</i> .10:286-292 (1994).
	Flanagan et al., "The kit Ligand: A Cell Surface Molecule Altered in Steel Mutant Fibroblasts," Cell 63:185-194 (1990).
	Gomi et al., "Mice Devoid of the Glial Fibrillary Acidic Protein Develop Normally and Are Susceptible to Scrapie Prions," Neuron 14:29-41 (1995).
	Krasemann et al., "Generation of Monoclonal Antibodies Against Human Prion Proteins in PrP0/0 Mice," Mol. Med. 2:725-734 (1996).
	Krasemann et al., "Induction of Antibodies Against Human Prion Proteins (PrP) by DNA-mediated Immunization of PrP0/0 Mice," <i>J. Immunol. Methods</i> 199:109-118 (1996).
	Krasemann et al., "Generation of Monoclonal Antibodies Against Prion Proteins with an Unconventional Nucleic Acid-based Immunization Strategy," <i>J. Biotechnol.</i> 73:119-129 (1999).
	Kretzschmar et al., "Molecular Cloning of a Human Prion Protein cDNA", DNA 5:315-324 (1986).
· · · · · · · · · · · · · · · · · · ·	Kurschner et al., "Analysis of Interaction Sites in Homo- and Heteromeric Complexes Containing Bcl-2 Family Members and the Cellular Prion Protein," <i>Mol. Brain Res.</i> 37:249-58. (1996)
	Kurschner et al., "The Cellular Prion Protein (PrP) Selectively Binds to Bcl-2 in the Yeast Two-hybrid System," Mol. Brain Res. 30:165-168 (1995).
	Mabbott et al., "T-lymphocyte Activation and the Cellular Form of the Prion Protein," <i>Immunology</i> 92:161-165 (1997).
	Meggio et al., "Bovine Prion Protein as a Modulator of Protein Kinase CK2," <i>Biochem. J.</i> 352:191-196 (2000).
	Morel et al., "Selective and Efficient Immunoprecipitation of the Disease-Associated Form of the Prion Protein can be Mediated by Nonspecific Interactions between Monoclonal Antibodies and Scrapie-Associated Fibrils," <i>J. Biol. Chem.</i> 279:30143-30149 (2004).
	Oesch, "Characterization of PrP binding proteins," Philos. Trans. R. Soc. Lond. B Biol. Sci. 343:443-445 (1994).

EXAMINER		ΕX	A٨	111	٧E	R
----------	--	----	----	-----	----	---

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

Sheet 2 of 2

SUBSTITUTE FORM PTO-1449 (MODIFIED)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (Use several sheets if necessary)

Attorney Docket No.

50111/002002

Serial No.

09/602,775

Applicant

Neil R. Cashman et al.

Filing Date

June 23, 2000

Group

1648

(37 C.F.R. § 1.98(b))

IDS Filed

April 8, 2005

Oesch et al., "Interaction of the Prion Protein with Cellular Proteins," Chemical Abstract 122:49358 CA (1992).
Oesch et al., "Identification of Cellular Proteins Binding to the Scrapie Prion Protein," <i>Biochem.</i> 29:5848-5855 (1990).
Priola et al., "Prion Protein and the Scrapie Agent: In Vitro Studies in Infected Neuroblastoma Cells," Infect. Agents Dis. 3:54-58 (1994).
Sano et al., "Protocadherins: A Large Family of Cadherin-Related Molecules in Central Nervous System," <i>EMBO J.</i> 12:2249-2256 (1993).
Serbec et al., "Monoclonal Antibody against a Peptide of Human Prion Protein Discriminates between Creutzfeldt-Jacob's Disease-affected and Normal Brain Tissue," J. Biol. Chem. 279:3694-3698 (2004).
Shapiro et al., "Structural Basis of Cell-Cell Adhesion by Cadherins," Nature 374:327-337 (1995).
Tatzelt et al., "Scrapie in Mice Deficient in Apolipoprotein E or Glial Fibrillary Acidic Protein," <i>Neurology</i> 47:449-453 (1996).
Telling et al., "Prion Propagation in Mice Expressing Human and Chimeric PrP Transgenes Implicates the Interaction of Cellular PrP with Another Protein", Cell 83:79-90 (1995).
Weiss et al., "Overexpression of Active Syrian Golden Hamster Prion Protein PrP ^c as a Glutathione S-Transferase Fusion in Heterologous Systems," <i>J. Virol.</i> 69:4776-4783 (1995).
Westaway et al., "Degeneration of Skeletal Muscle, Peripheral Nerves, and the Central Nervous System in Transgenic Mice Overexpressing Wild-Type Prion Proteins," Cell 76:117-129 (1994).
Yehiely et al., "Identification of Candidate Proteins Binding to Prion Protein," Neurobiol. Dis. 3:339-355 (1997).
Zou et al., "Acidic pH and Detergents Enhance In Vitro Conversion of Human Brain PrP ^c to a PrP ^{sc} -like Form," J. Biol. Chem. 277:43942-43947 (2002).
Zou et al., "Antibody to DNA Detects Scrapie but not Normal Prion Protein," Proc. Natl. Acad. Sci. U.S.A. 3:1380-1385 (2004).

EXA	MINEF	₹
-----	-------	---

DATE CONSIDERED

Sheet 1 of 2_

SUBSTITUTE FORM PTO-1449 (MODIFIÉD) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (Use several sheets if necessary)

Attorney Docket No. 50

50111/002002

Serial No.

09/602,775

Applicant

Neil R. Cashman et al.

Filing Date

June 23, 2000

Group

1648

(37 C.F.R. § 1.98(b))

IDS Filed

April 8, 2005

	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Bendheim et al., "Antibodies to a Scrapie Prion Protein," Nature 310:418-421 (1984).
	Cheng et al., "Identification and Cloning of ELF-1, a Developmentally Expressed Ligand for the Mek4 and Sek Receptor Tyrosine Kinases," Cell 79:157-168 (1994).
	Demart et al., "New Insight into Abnormal Prion Protein Using Monoclonal Antibodies," <i>Biochem. Biophys. Res. Commun.</i> 265:652-657 (1999).
	Dodelet et al., "Construction and Use of a Prion Protein-Alkaline Phosphatase Fusion Protein for Prion Ligand Detection," Cold Spring Harbor Laboratory, 61 st Symposium:Function & Dysfunction in the Nervous System, May 29, (1996).
	Fields et al., "The Two-hybrid System: an Assay for Protein-Protein Interactions," <i>Trends Genet</i> .10:286-292 (1994).
	Flanagan et al., "The kit Ligand: A Cell Surface Molecule Altered in Steel Mutant Fibroblasts," Cell 63:185-194 (1990).
	Gomi et al., "Mice Devoid of the Glial Fibrillary Acidic Protein Develop Normally and Are Susceptible to Scrapie Prions," Neuron 14:29-41 (1995).
	Krasemann et al., "Generation of Monoclonal Antibodies Against Human Prion Proteins in PrP0/0 Mice," Mol. Med. 2:725-734 (1996).
	Krasemann et al., "Induction of Antibodies Against Human Prion Proteins (PrP) by DNA-mediated Immunization of PrP0/0 Mice," <i>J. Immunol. Methods</i> 199:109-118 (1996).
	Krasemann et al., "Generation of Monoclonal Antibodies Against Prion Proteins with an Unconventional Nucleic Acid-based Immunization Strategy," <i>J. Biotechnol.</i> 73:119-129 (1999).
	Kretzschmar et al., "Molecular Cloning of a Human Prion Protein cDNA", DNA 5:315-324 (1986).
	Kurschner et al., "Analysis of Interaction Sites in Homo- and Heteromeric Complexes Containing Bcl-2 Family Members and the Cellular Prion Protein," <i>Mol. Brain Res.</i> 37:249-58. (1996)
	Kurschner et al., "The Cellular Prion Protein (PrP) Selectively Binds to Bcl-2 in the Yeast Two-hybrid System," Mol. Brain Res. 30:165-168 (1995).
	Mabbott et al., "T-lymphocyte Activation and the Cellular Form of the Prion Protein," <i>Immunology</i> 92:161-165 (1997).
	Meggio et al., "Bovine Prion Protein as a Modulator of Protein Kinase CK2," Biochem. J. 352:191-196 (2000).
	Morel et al., "Selective and Efficient Immunoprecipitation of the Disease-Associated Form of the Prion Protein can be Mediated by Nonspecific Interactions between Monoclonal Antibodies and Scrapie-Associated Fibrils," <i>J. Biol. Chem.</i> 279:30143-30149 (2004).
	Oesch, "Characterization of PrP binding proteins," Philos. Trans. R. Soc. Lond. B Biol. Sci. 343:443-445 (1994).
<u> </u>	1

EXAMI	NER
-------	-----

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.